Teacher Self-Assessment Survey
9-12 Science and Technology

PLEASE READ THE FOLLOWING CAREFULLY.

Please note that there are two responses to each of the following benchmarks. The first response will indicate teachers' content needs around Montana's Content and Student Performance Standards. The second response will identify problematic instructional areas found in the Standards.

In the first response, please assess your own content knowledge using these choices:
Teacher Content Comfort
   A.   I am *very comfortable* with my content knowledge of this benchmark.
   B.   I am *comfortable* with my content knowledge of this benchmark.
   C.   I am *uncomfortable* with my content knowledge of this benchmark.
   D.   I am *very uncomfortable* with my content knowledge of this benchmark.
   E.   I do not understand what this benchmark means.

For the second response, please assess your students' ability to comprehend and retain the content using these choices:
Ease of Student Learning
   A.   Most of my students *only need to review* this concept or skill.
   B.   With instruction and practice, *most of my students can learn* this concept or skill.
   C.   Even with instruction and practice, *most of my students have a very difficult time learning* this concept or skill.
   D.   *I do not review or teach* this concept or skill.
   E.   I do not understand what this benchmark means.

Q. 79   Do you teach technology?   A.   Yes   B.   No

Q. 80   When teaching, what grade levels do you teach? (Mark all that apply.)
   A.   9   B.   10   C.   11   D.   12

Q. 81   Have you had an opportunity to review the Montana Technology Content Standards prior to completing this survey?   A. Yes   B. No

Technology Standard 1. Students demonstrate an understanding of the basic operation of technologies.	Technology					
Q. 82-83 use and enhance an established repertoire of skills and procedures as needed to operate various technologies.	Teacher Content Comfort	Q. 82	A B C D E			
	Ease of Student Learning	Q. 83	A B C D E			
Q. 84-85 demonstrate competence with basic system and tool set-up, technical terminology, basic care and maintenance.	Teacher Content Comfort	Q. 84	A B C D E			
	Ease of Student Learning	Q. 85	A B C D E			
Q. 86-87 use and refine troubleshooting strategies to solve technical operations problems.	Teacher Content Comfort	Q. 86	A B C D E			
	Ease of Student Learning	Q. 87	A B C D E			

Technology Standard 2. Students use a variety of technologies to enhance productivity.	Technology		
Q. 88-89 apply sophisticated skills and strategies to enhance performance and ease task completion.	Teacher Content Comfort	Q. 88	A B C D E
	Ease of Student Learning	Q. 89	A B C D E
Q. 90-91 integrate technology in designing, developing, presenting and managing projects.	Teacher Content Comfort	Q. 90	A B C D E
	Ease of Student Learning	Q. 91	A B C D E
Q. 92-93 analyze and evaluate a variety of technologies and match the best technology to a task	Teacher Content Comfort	Q. 92	A B C D E
	Ease of Student Learning	Q. 93	A B C D E

Technology Standard 3. Students use a variety of technologies for communication.	Technology		
Q. 94-95 select and apply telecommunications tools to exchange ideas and information (e.g., geographic information, system map, multimedia presentation, web page).	Teacher Content Comfort	Q. 94	A B C D E
	Ease of Student Learning	Q. 95	A B C D E
Q. 96-97 use telecommunications tools to participate in collaborative on-line projects.	Teacher Content Comfort	Q. 96	A B C D E
	Ease of Student Learning	Q. 97	A B C D E

Technology Standard 4. Students use technology responsibly and understand its impact on individuals and society.	Technology		
Q. 98-99 safely use various technologies (e.g., robotics, workplace tools).	Teacher Content Comfort	Q. 98	A B C D E
	Ease of Student Learning	Q. 99	A B C D E
Q. 100-101 model and exemplify a high standard of ethics for the uses of technology (e.g., privacy, intellectual property).	Teacher Content Comfort	Q. 100	A B C D E
	Ease of Student Learning	Q. 101	A B C D E
Q. 102-103 evaluate the present and future impacts of technology on society, economy and the environment.	Teacher Content Comfort	Q. 102	A B C D E
	Ease of Student Learning	Q. 103	A B C D E

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Technology Standard 5. Students develop the skills, knowledge and abilities to apply a variety of technologies to conduct research, manage information and solve problems.	**Technology**		
Q. 104-105 ask questions and use technology resources for self-directed learning and problem-solving.	Teacher Content Comfort	Q. 104	A B C D E
	Ease of Student Learning	Q. 105	A B C D E
Q. 106-107 evaluate the accuracy, relevance, appropriateness, comprehensiveness and bias of electronic information.	Teacher Content Comfort	Q. 106	A B C D E
	Ease of Student Learning	Q. 107	A B C D E
Q. 108-109 organize and analyze information from technical sources and communicate findings.	Teacher Content Comfort	Q. 108	A B C D E
	Ease of Student Learning	Q. 109	A B C D E

Technology Standard 6. Students apply technological abilities and knowledge to construct new personal understanding.	**Technology**		
Q. 110-111 analyze and evaluate existing information to generate personal understanding.	Teacher Content Comfort	Q. 110	A B C D E
	Ease of Student Learning	Q. 111	A B C D E
Q. 112-113 create a portfolio of original work using various technologies.	Teacher Content Comfort	Q. 112	A B C D E
	Ease of Student Learning	Q. 113	A B C D E
Q. 114-115 evaluate and apply a variety of technologies to investigate complex problems in multidisciplinary contexts.	Teacher Content Comfort	Q. 114	A B C D E
	Ease of Student Learning	Q. 115	A B C D E
Q. 116-117 apply and evaluate personal understanding to develop an invention or innovative solution to an authentic problem.	Teacher Content Comfort	Q. 116	A B C D E
	Ease of Student Learning	Q. 117	A B C D E